

alu

A better seat

Installation Manual

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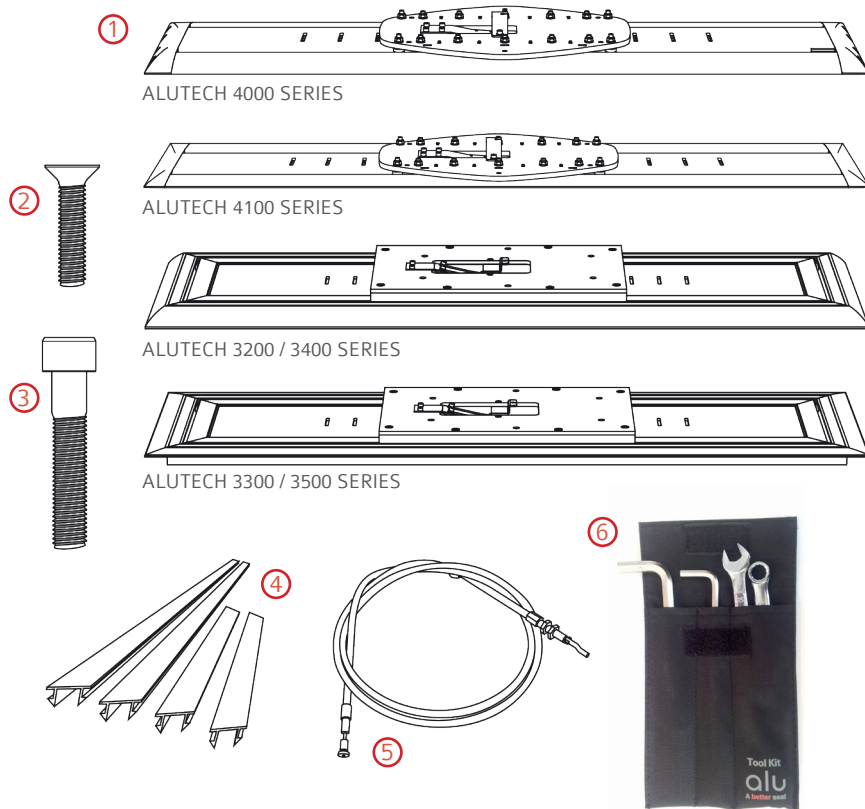


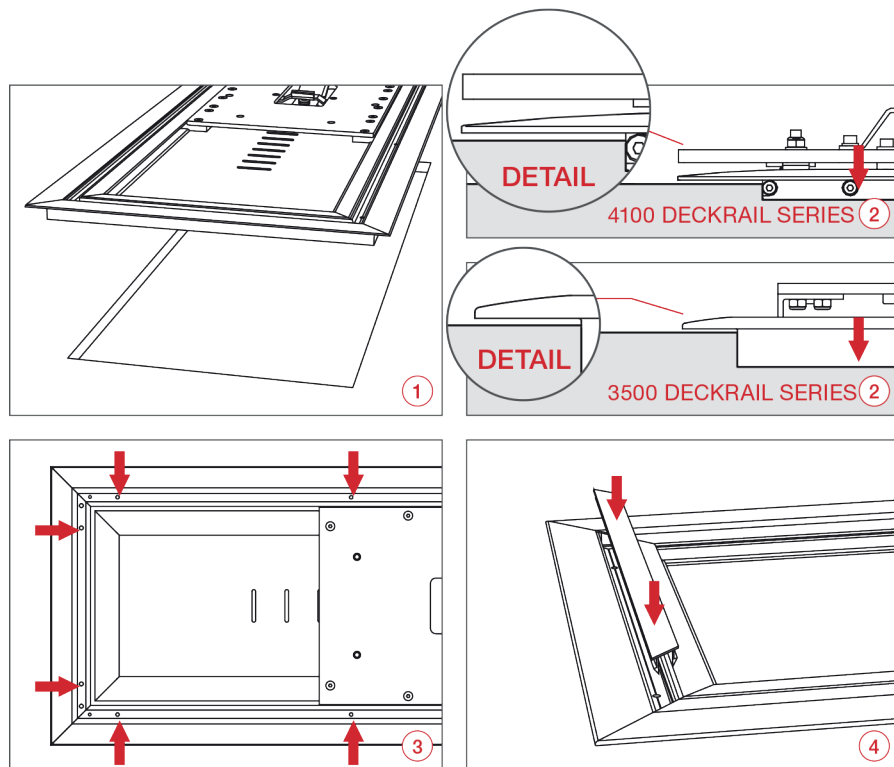
COMPONENTS AND PARTS

1. Deck rail with wagon
2. Connecting bolts: Alutech 200 - M8 x 35 - Flat head (hex screw). The bolts are to be tightened with a 5 mm Umbraco key
3. Connecting bolts: Alutech 300, 400, 500 and 600 - M10 x 50 - Socket head (hex screw). The bolts are to be tightened with a 8 mm Umbraco Key to adjust the brake cable
4. Snap-in plastic cover profile for Alutech 3200 / 3400 and 3300 / 3500 series only
5. Brake cable:
 - Alutech 200 - The brake cable is already installed on the chair
 - Alutech 500 - Brake cable supplied.
 The locking screws need a 10 mm spanner
6. A toolkit is supplied with each Alutech 300, 400, 500 and 600 chair

NOTE: Fasteners from deck rail to deck not included.
For Alutech 4000 / 4100 use M6 Flat head (hex screw).

NOTE: It is advised to have two people working together when connecting the chair to the deck rail.





FLUSH MOUNTED DECK RAIL

NOTE: All Alu Design flush mounted deck rails have the same mounting procedure.

The deck rail is fastened to the deck using fasteners suitable to the deck material. There is an indicator sticker to show the front of the deck rail.

1. The deck rail is mounted into a recess in the deck.
2. The deck rail must **ONLY** rest on the bottom of the cut out as indicated by the red arrows. The deck rail must not be supported by the flanges.
3. Fasten the deck rail to the deck surface using the pre-drilled holes in the deck rail profile. If required, more holes can be drilled in the deck rail profile.
4. Snap in the plastic profile to cover the fastening screws (plastic profile only for Alutech 3200 / 3400 and 3300 / 3500 series).

NOTE: Fasteners from deck rail to deck not included.

NOTE: Ensure the deck rails are solidly fixed to the deck construction.

SURFACE MOUNTED DECK RAIL

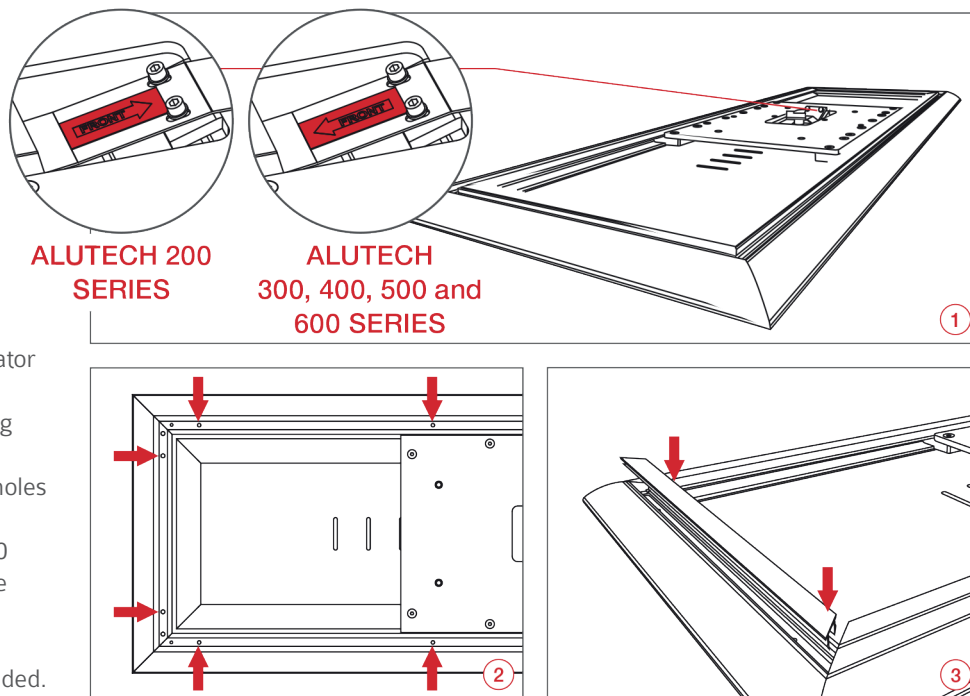
NOTE: Alutech 200, 300, 400, 500 and 600 series chairs are mounted on the surface mounted deck rails facing different directions. Please pay special attention to the indicator sticker.

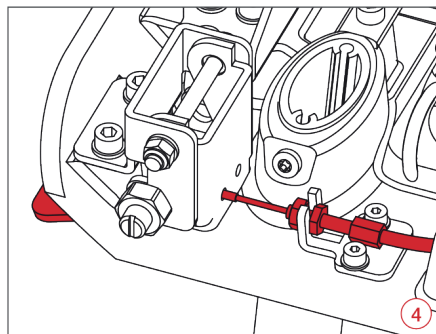
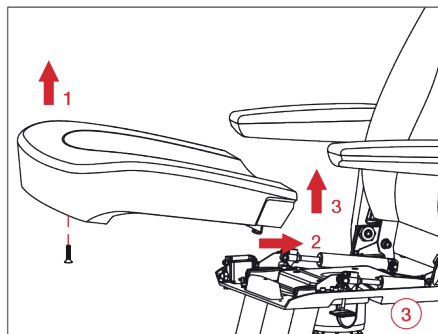
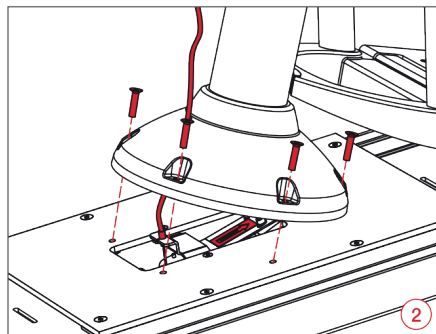
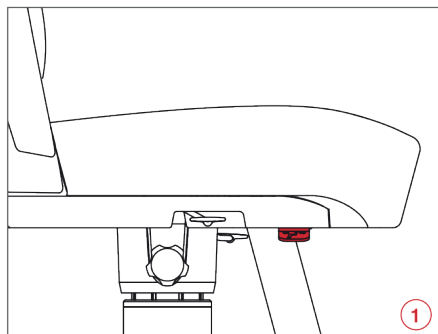
The deck rail is fastened to the deck using fasteners suitable to the deck material.

1. The deck rail needs an unobstructable flat surface to be mounted on. There is an indicator sticker to show the front of the deck rail.
2. Fasten the deck rail to the deck surface using the pre-drilled holes in the deck rail profile. Depending on the deck construction, more holes can be drilled in the deck rail profile.
3. For the Alutech 3200 / 3400 and 3300 / 3500 series: snap in the plastic profile to cover the fastening screws.

NOTE: Fasteners from deck rail to deck not included.

NOTE: Ensure the deck rails are solidly fixed to the deck construction.





ALUTECH 200 SERIES MOUNTED ON ALUTECH DECK RAILS

The chair is mounted onto the deck rail wagon. The movement of the wagon is controlled by the brake mechanism.

1. The brake mechanism is controlled by a lever mounted under the right side of the seat frame.
2. The brake cable must be connected to the brake mechanism on the deackrail wagon before the chair is mounted onto the wagon.
3. After the chair is mounted to the wagon, remove the seat cushion. Remove the screw underneath the front of the seat cushion. Lift up the front of the cushion then push and lift up the back of the cushion.
4. The brake cable can then be adjusted and tightened with a 10 mm spanner.

NOTE: For instructions on using the deck rail brake, see «User Manual 200 Series».

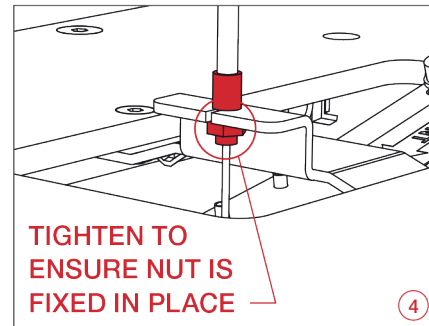
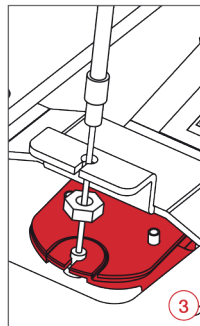
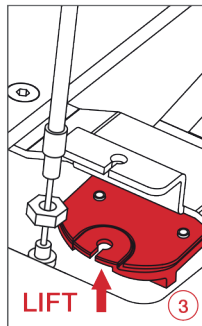
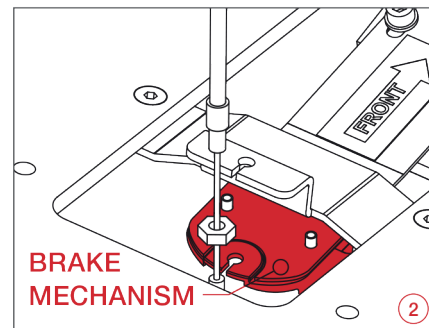
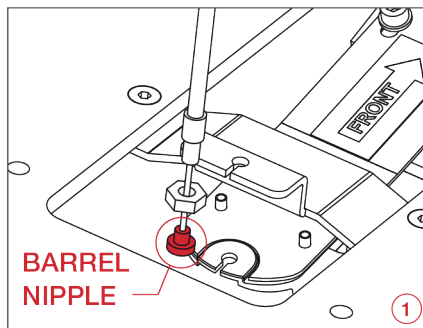
NOTE: DO NOT bend the brake cable.

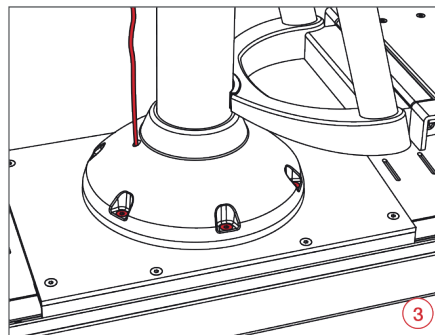
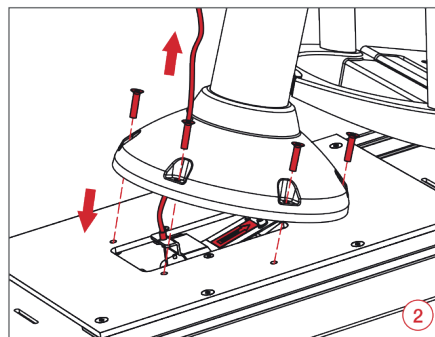
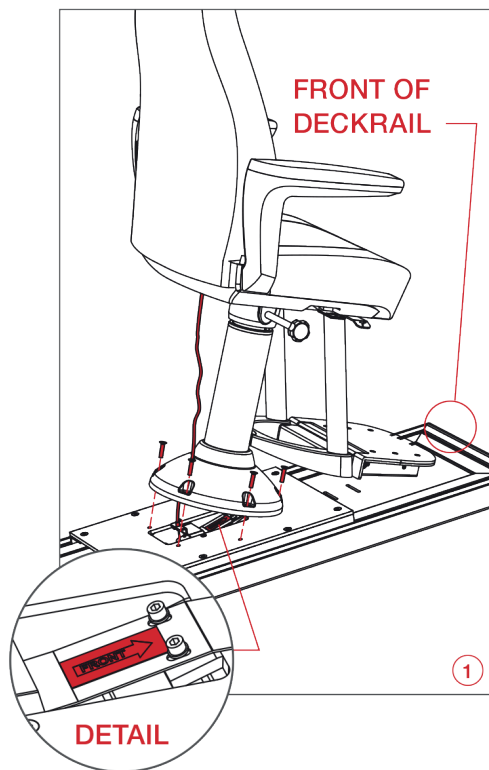
ATTACHING THE BRAKE CABLE TO THE BRAKE MECHANISM

1. Identify the brake cable. Find the end with the barrel nipple.
2. Identify the brake mechanism on the deck rail wagon.
3. Engage the barrel nipple in the plastic brake component. The plastic component is mounted on an arm, this arm should be raised to allow the barrel nipple to be fitted under the plastic component and pulled up into its hole.

IMPORTANT: Please ensure that the nipple is inserted correctly - some force may be necessary in order to do this.

4. Push the end of the brake cable outer sleeve into the aluminum bracket to hold the cable in place.





ATTACHING THE CHAIR TO THE DECK RAIL

1. Orientate the chair relative to the deck rail. There is an indicator sticker to show the front of the deck rail and the chair.
2. Feed the deck rails brake cable through the column foot and attach cable (see Page 5). Lift the chair above the deck rail and lower slowly down onto the deck rail wagon. Make sure that the brake cable is not bent.

Locate and place the chair using the bolt holes as guides. Pull gently up on the brake cable as the chair is lowered into place.

DO NOT slide the chair on the wagon as the brake cable can become damaged.

3. Fasten the chair on to the deck rail wagon with the bolts provided.

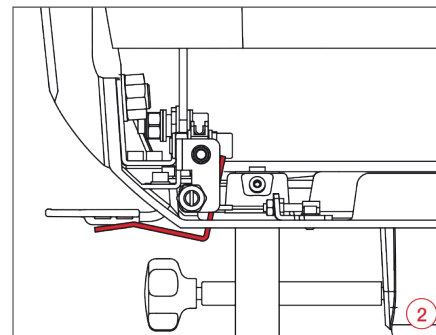
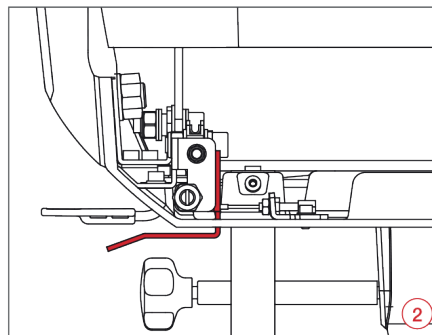
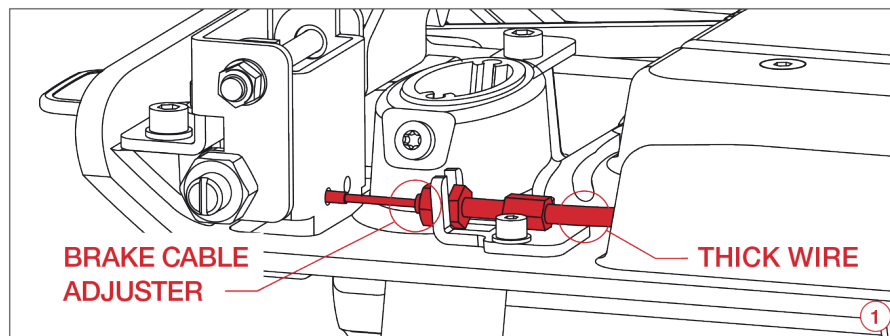
ADJUSTING THE BRAKE CABLE TO THE BRAKE HANDLE

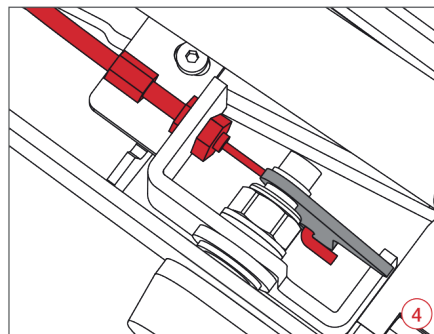
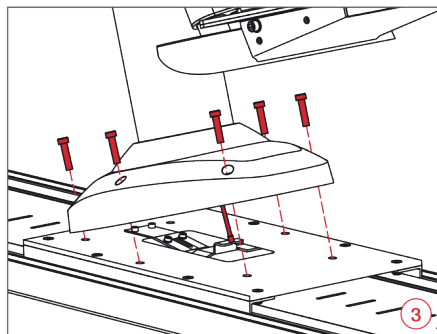
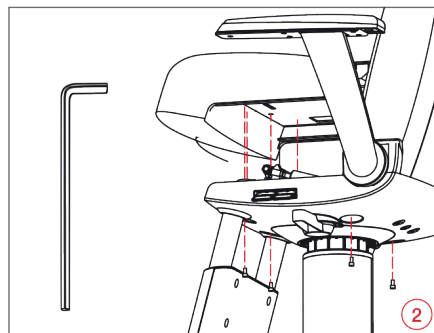
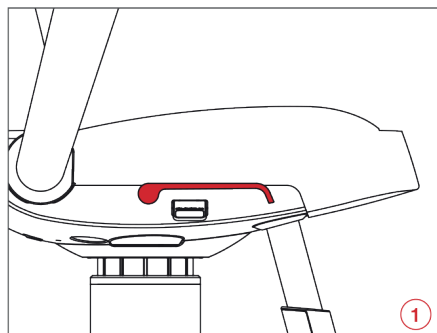
1. Remove the seat cushion (see Page 6, Fig 3).

Tension the brake cable using the brake cable adjuster until the deck rail brake mechanism releases and the chair can be moved on the deck rail. The nuts are to be tightened with a 10 mm spanner.

2. When the brake lever is moved downwards the deck rail brake mechanism should engage and lock the chair in position of the deck rail.

Replace the seat cushion.





PROCEDURE

The chair is mounted onto the deck rail wagon. The movement of the wagon is controlled by a brake mechanism.

1. The brake mechanism is controlled by a handle mounted on the side of the seat frame.
2. Use the long umbraco key from the tool kit to remove the four M6 screws. Recline the backrest. Grip the seat cushion at the front and back edge. Lift the front edge of the seat cushion 30 mm. Push the seat cushion back towards the rear of the chair. Lift the back edge of the seat cushion. Remove the seat cushion.
3. Connect the brake cable to the deck rail brake.
4. Route the cable through the column.
5. Attach the chair to the deck rail.
6. Attach the brake cable to the brake handle.

NOTE: For instructions on using the deck rail brake, see «User Manual 300, 400, 500 and 600 Series».

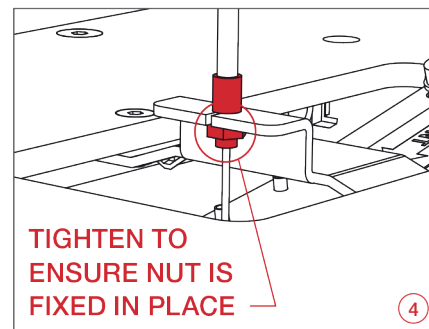
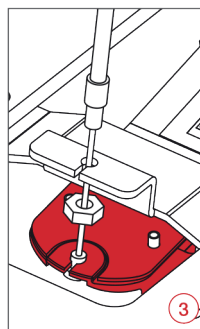
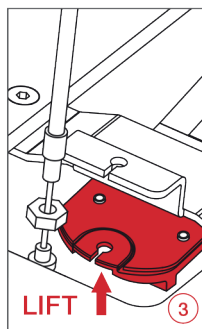
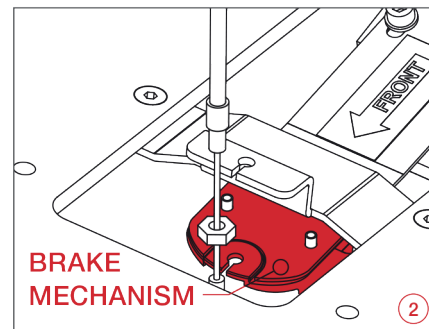
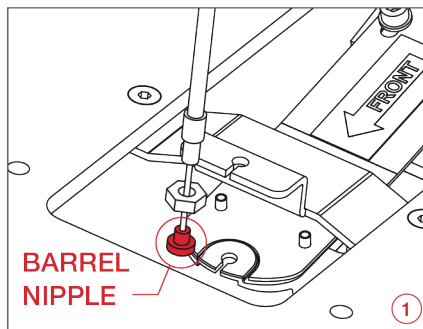
NOTE: DO NOT bend the brake cable.

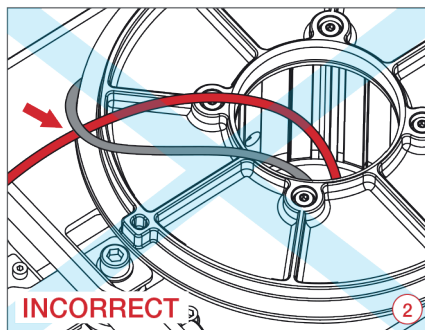
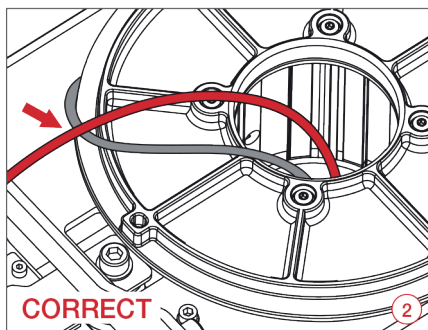
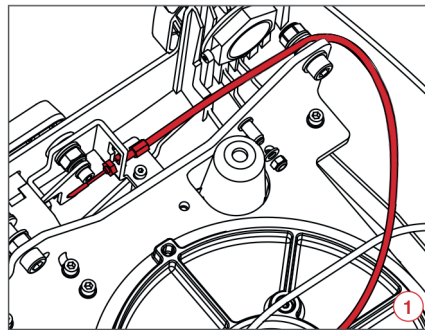
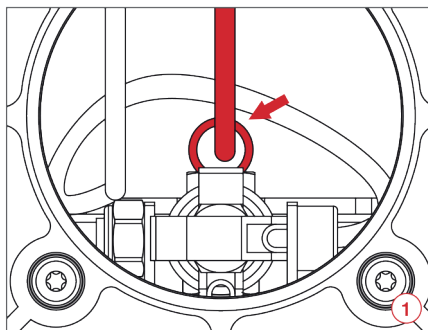
ATTACHING THE BRAKE CABLE TO THE BRAKE MECHANISM

1. Identify the brake cable. Find the end with the barrel nipple.
2. Identify the brake mechanism on the deck rail wagon.
3. Engage the barrel nipple in the plastic brake component. The plastic component is mounted on an arm, this arm should be raised to allow the barrel nipple to be fitted under the plastic component and pulled up into its hole.

IMPORTANT: Please ensure that the nipple is inserted correctly - some force may be necessary in order to do this.

4. Push the end of the brake cable outer sleeve into the aluminum bracket to hold the cable in place.





ROUTING THE DECK RAIL BRAKE CABLE IN THE COLUMN

1. Remove the seat cushion (see Page 10, Fig 2).

Ensure the chair is in its lowest position.

Place the chair near the deck rail. Orientate the chair relative to the deck rail (see Page 12).

2. Gain access to the underside of the chair column.

Feed the deck rail brake cable into the plastic tube mounted in the column. The cable will appear at the top of the column.

Allow the cable to lie freely on the chair.

Fix the chair to the deck rails by using the delivered bolts.

DO NOT route the brake cable under other cables.
DO NOT remove any of the cables already connected.
 These are installed and tested from the factory and already 100% functional.

ATTACHING THE CHAIR TO THE DECK RAIL

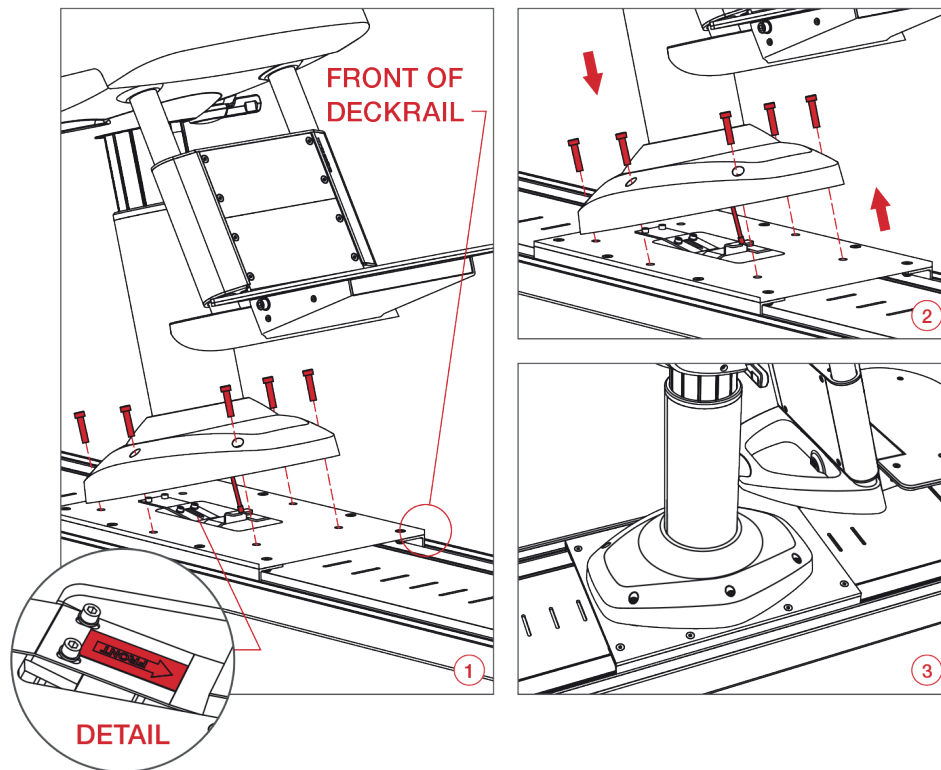
1. Orientate the chair relative to the deck rail as indicated below. There is an indicator sticker to show the front of the deck rail and the chair.
2. Ensure the chair is in its lowest position.

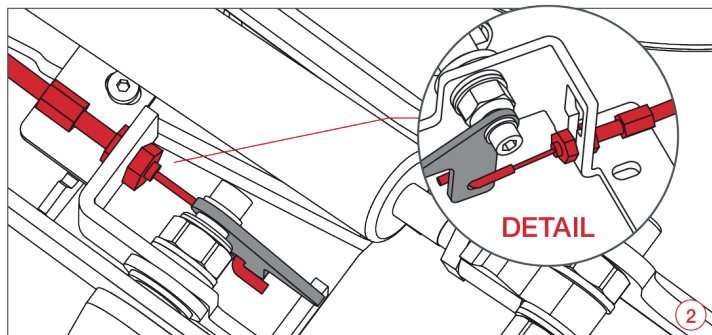
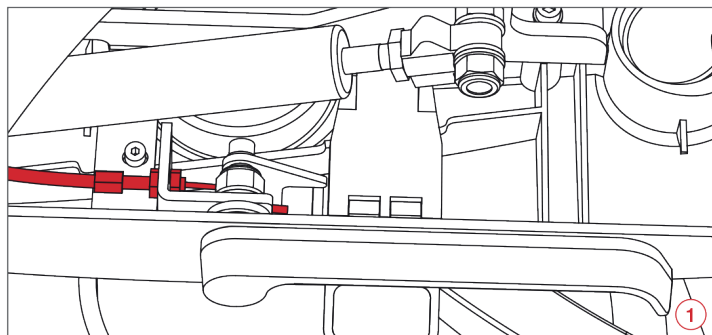
Lift the chair above the deck rail and lower slowly down onto the wagon. Place the chair directly in place using the bolt holes as guides. Pull gently up on the brake cable as the chair is lowered into place. Make sure that the brake cable is not bent.

DO NOT slide the chair on the wagon as the brake cable can become damaged.

DO NOT make sharp bends of the brake cable as it can become damaged.

3. Fasten the chair onto the deck rail wagon with the bolts provided.





ATTACHING THE BRAKE CABLE TO THE BRAKE HANDLE

1. Route the brake cable to the brake mechanism.
2. Ensure the chair is in its lowest position before connecting the release cable to the mechanism.
3. Enter the thick wire end of the brake cable into the brake lever and enter the outer cable adjuster into the brake cable bracket.
4. To ensure the correct tension in the cable, check to see if the deck rail can be locked and unlocked by using the lever. If the deck rail can be locked and unlocked, tighten the nuts with a 10 mm spanner.

Before installing the seat cushion, lift the chair to its highest position to assure that the release cable moves freely.

For details on adjusting and operating the deck rail brake, see «User Manual 300 / 400 / 500 and 600 Series».

DO NOT enter complete wire end through the brake lever.

Attach the brake cable to the brake mechanism **ONLY** as shown (see Fig 2).

Replace the seat cushion.



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